

Communicating Beach Water Quality

Modernized eBEACHES

Communicating Beach Conditions at the National Level

A Great Lakes Restoration Initiative Project

Great Lakes Beaches Association

Bill Kramer, CEP, PM

US EPA

September 27-28, 2011



Where We Are Going (2012)

A Great Lakes Restoration Initiative Project

- More useful and appealing EPA webpage
- More timely information to the public (e.g., annual to weekly/daily/hourly)
- Increased analytical capability at beach and aggregate levels; e.g., trends, exceedences, advisories and closures, pollution sources
- Real-time verification (editing) tool
- Less effort for states to submit and approve data

Improve eBEACHES **System** Responsiveness

Type of Data (Database)	Started (2003 Data)	Now (2010 Data)	Modernized (2012 Data)
Notification (PRAWN -OST)	Annually	Annually	2 hours
Verification	Not Done	Annually	Any Time
Location maps (RAD-OWOW)	Irregularly	Monthly	Weekly
Verification	Not Done	Monthly	Any Time
Monitoring (WQX/STORET-OWOW)	Monthly	Weekly (STORET)	2 hours (WQX)
Verification	Not Done	Twice Monthly	Any Time

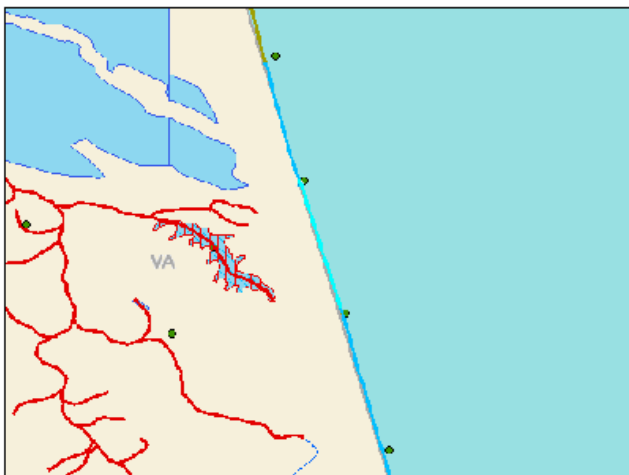


BEACON - Beach Advisory and Closing On-line Notification

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Beach Profile for 45TH STREET

BEACON

[Location Disclaimer](#) [Go to EnviroMapper for Water](#)

● Data for: **2011**

[Click here for Historical Data](#)

● Beach Advisories and Closings: **0**

● Beach Contact Information:

Name: Frank Scanlon
Agency: VIRGINIA DEPARTMENT OF HEALTH
Phone: 757-518-2672
Email: skip.scanlon@vdh.virginia.gov

[Beach Profile](#)[Water Quality](#)[Advisories & Closings](#)[Local Contacts](#)

This page lists General Beach Information.

Beach Location

Current page is frozen map image

- No choice of base maps
- Not show status:
 - **Green** – No advisory
 - **Yellow** - Advisory
 - **Red** - Closure
 - **Khaki** – Historical Beach
 - **Grey** – not reporting



DEMONSTRATION

Of Beta Enhancements to

“Find your Beach”

[From live design site, some
of the following features may change]

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Type state, zip, or address

Latitude: 41.2176 Longitude: -87.5002

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U.S. View

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Imagery

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Alaska, Hawaii, US Territories, and Tribes

States >>

Territories >>

Alaska

American Samoa

Hawaii

Guam

Tribes >>

N. Mariana Islands

Grand Portage

Puerto Rico

Makah

US Virgin Islands

bing™

1000 km

1000 mi

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Latitude: 35.9514 Longitude: -77.1159

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North Carolina
[Visit State Beach website](#) **Zoom to State** (EPA website)

Alaska, Hawaii, US Territories, and Tribes

States >>	Territories >>
<input type="button" value="Alaska"/>	<input type="button" value="American Samoa"/>
<input type="button" value="Hawaii"/>	<input type="button" value="Guam"/>
Tribes >>	<input type="button" value="N. Mariana Islands"/>
<input type="button" value="Grand Portage"/>	<input type="button" value="Puerto Rico"/>
<input type="button" value="Makah"/>	<input type="button" value="US Virgin Islands"/>

1000 km
1000 mi

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Top of Page

“New for 2012”



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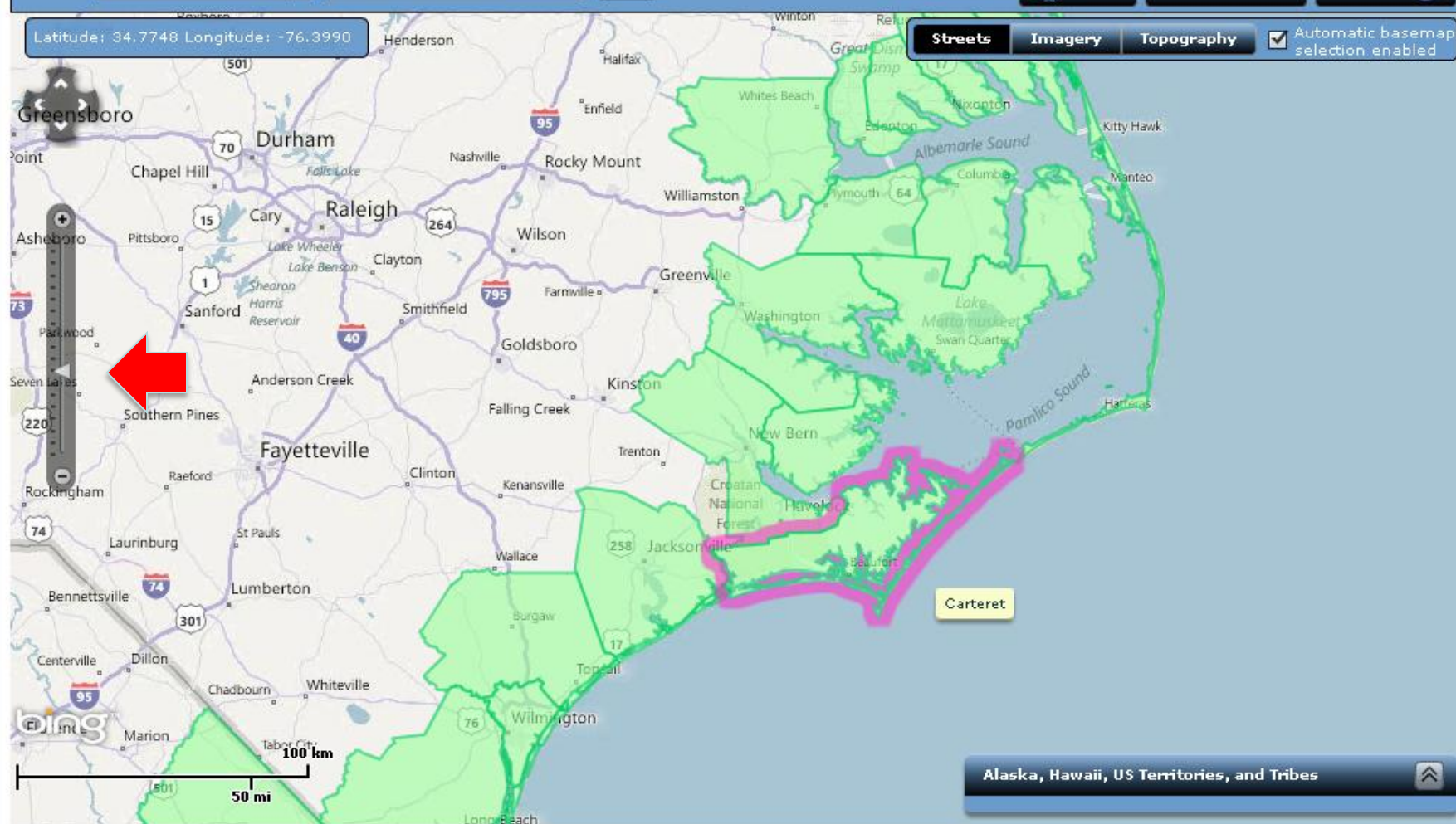
Latitude: 34.7748 Longitude: -76.3990

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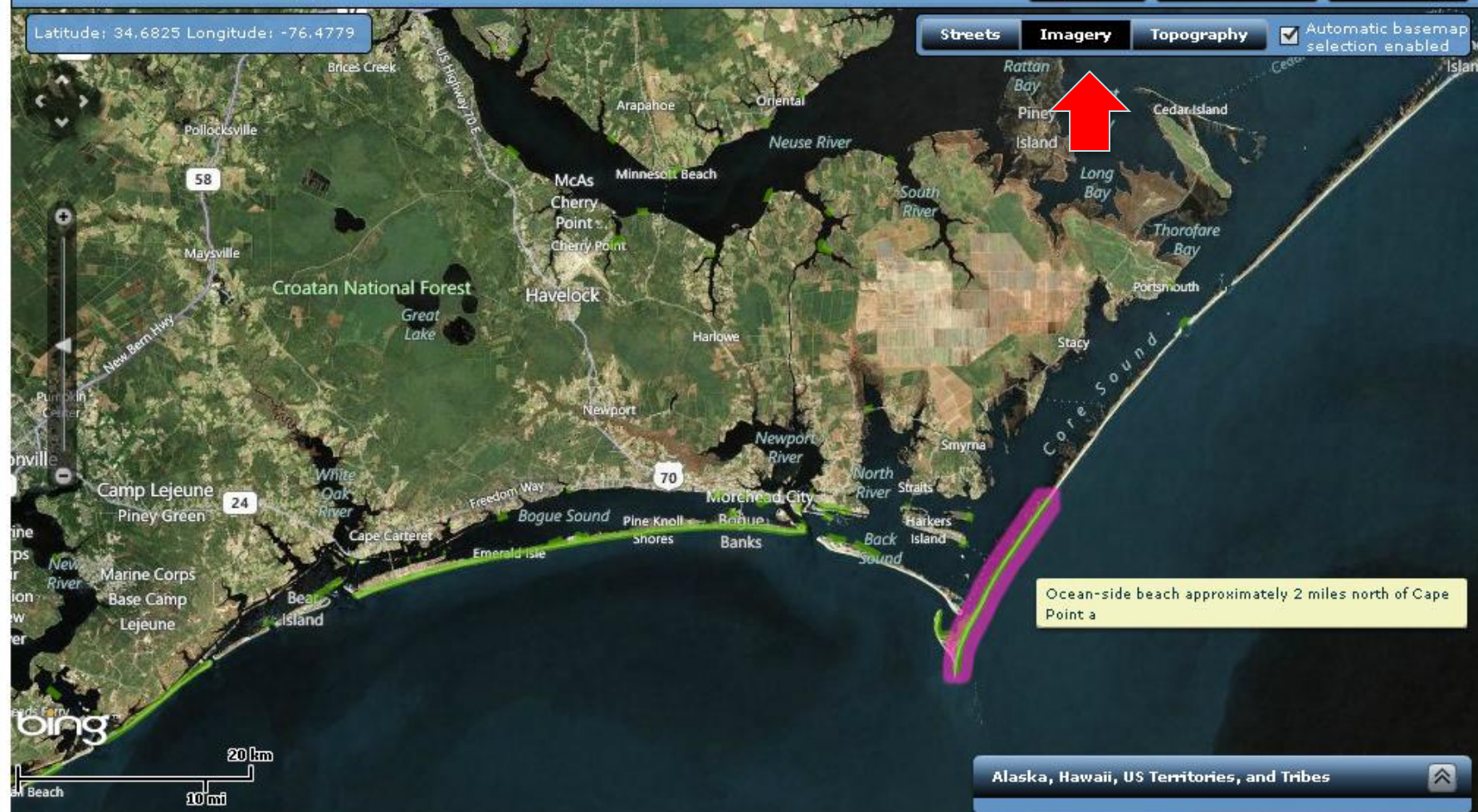
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[RSS Generator](#)

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Latitude: 34.6498 Longitude: -76.5040

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[Imagery](#)

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Ocean-side beach approximately 2 miles north of Cape Point a

Beach ID: NC106127

County: CARTERET

Advisories and Monitoring Data No advisory or closure

Beach Advisory and Closing Information

Water Quality

Beach Profile

Contact Information

[Zoom to Beach](#)

Ocean-side beach approximately 2 miles north of Cape Point a

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Ocean-side beach approximately 2 miles north of Cape Point a ×

Beach ID: NC106127

County: CARTERET

Advisories and Monitoring Data No advisory or closure

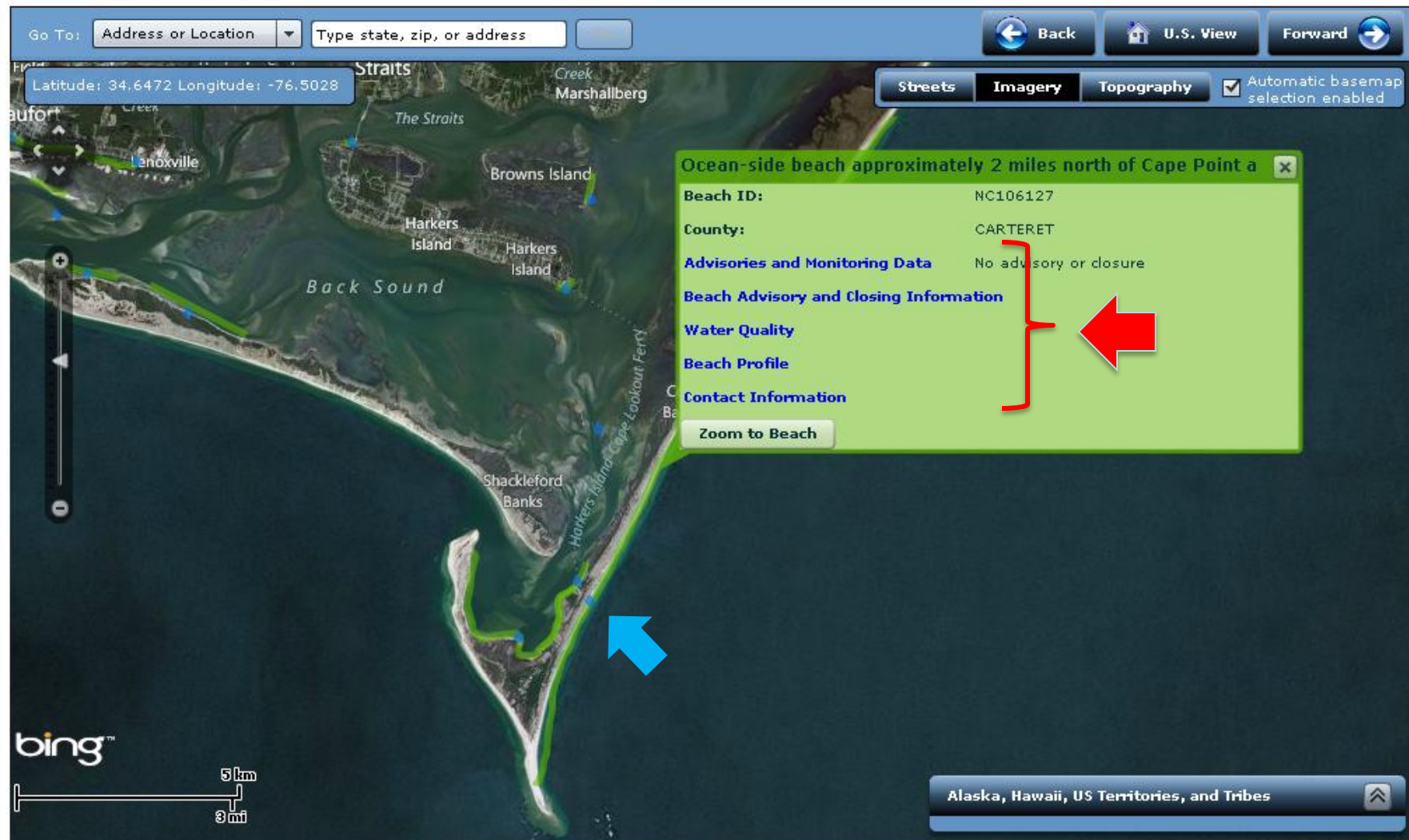
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Beach Profile

Contact Information

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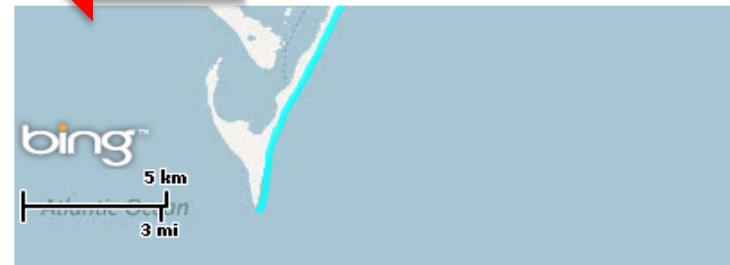
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5 km
3 mi

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Beach Profile Page

County: CARTERET
Water Body Name:
Water Body Type:
Beach Ownership/Accessibility: Public/Private
Access Comment:
Effective Year:
Beach Act Beach: Yes
Beach Tier: 1



Monitoring Season and Frequency

Swim Season Start Date:
Swim Season End Date:
Swim Season Length: 214 DAYS
Swim Season Monitoring Frequency: 5
Monitoring Reporting Frequency: PER_MONTH
Off Season Monitoring Frequency: 5 PER_MONTH
Monitored Irregularly: No
Monitored Irregularly Comments:
Criterion Names and Values:
Water Monitoring Locations:



“New for 2012”



“New for 2012”



Download Beach Profile Data

Advisories

Advisory Reporting Frequency:
Pollution Sources: No
Pollution Source Investigated?: Yes



“New for 2012”

Location

Start Latitude: 34.6303829749997
Start Longitude: -76.5513610733316
End Latitude: 34.7173467213199
End Longitude: -76.4449310196359
Beach Length: 16914 FT
Source Map Scale: 100000
Horizontal Collection Method: GPS
Horizontal Ref Datum Name: NAD83

Contact Information

Beach Website Address: -
Beach Contact Name: -
Beach Contact Phone:
Beach Contact Email: -



“New for 2012”

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Beach Actions (Advisories and Closures)



- ☐ Beach Id in 'NC106127' ☒ ☒
- ☐ Historical Record in 'N' ☒ ☒
- ☐ Reported in 'Y, N' ☒ ☒
- ☐ Status in 'Active, Advisory, Closure' ☒ ☒
- ☐ Year in '2010' ☒ ☒
- ☐ State ☒ ☒
- ☐ County ☒ ☒
- ☐ Year ☒ ☒
- ☐ Beach Id ☒ ☒

State : NC, County : CARTERET, Year : 2010, Beach Id : NC106127




Beach Name	Action Type	Action Start Date	Action End Date	Action Duration Days	Action Reasons	Action Indicator	Action Source
Ocean-side beach approximately 2 miles north of Cape Point a	Contamination Advisory	MAY-20-2010	MAY-21-2010	1	ELEV_BACT	ENTERO	WILDLIFE
Ocean-side beach approximately 2 miles north of Cape Point a	Contamination Advisory	JUN-03-2010	JUN-18-2010	15	ELEV_BACT	ENTERO	WILDLIFE
Count: 2				16			

1 - 2

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Choose report download format:

CSV HTML Email



- ☐ Beach Id in 'NC106127' ☒ ☒
- ☐ Historical Record in 'N' ☒ ☒
- ☐ Reported in 'Y, N' ☒ ☒
- ☐ Status in 'Active, Advisory, Closure' ☒ ☒
- ☐ Year in '2010, 2009, 2008' ☒ ☒
- ☐ State ☒ ☒
- ☐ County ☒ ☒
- ☐ Year ☒ ☒
- ☐ Beach Id ☒ ☒

State : NC, County : CARTERET, Year : 2010, Beach Id : NC106127

Beach Name	Action Type	Action Start Date	Action End Date	Action Duration Days	Action Reasons	Action Indicator	Action Source
Ocean-side beach approximately 2 miles north of Cape Point a	Contamination Advisory	MAY-20-2010	MAY-21-2010	1	ELEV_BACT	ENTERO	WILDLIFE
Ocean-side beach approximately 2 miles north of Cape Point a	Contamination Advisory	JUN-03-2010	JUN-18-2010	15	ELEV_BACT	ENTERO	WILDLIFE
Count: 2				16			

State : NC, County : CARTERET, Year : 2009, Beach Id : NC106127

Beach Name	Action Type	Action Start Date	Action End Date	Action Duration Days	Action Reasons	Action Indicator	Action Source
Ocean-side beach approximately 2 miles north of Cape Point a	-	-	-	-	-	-	-



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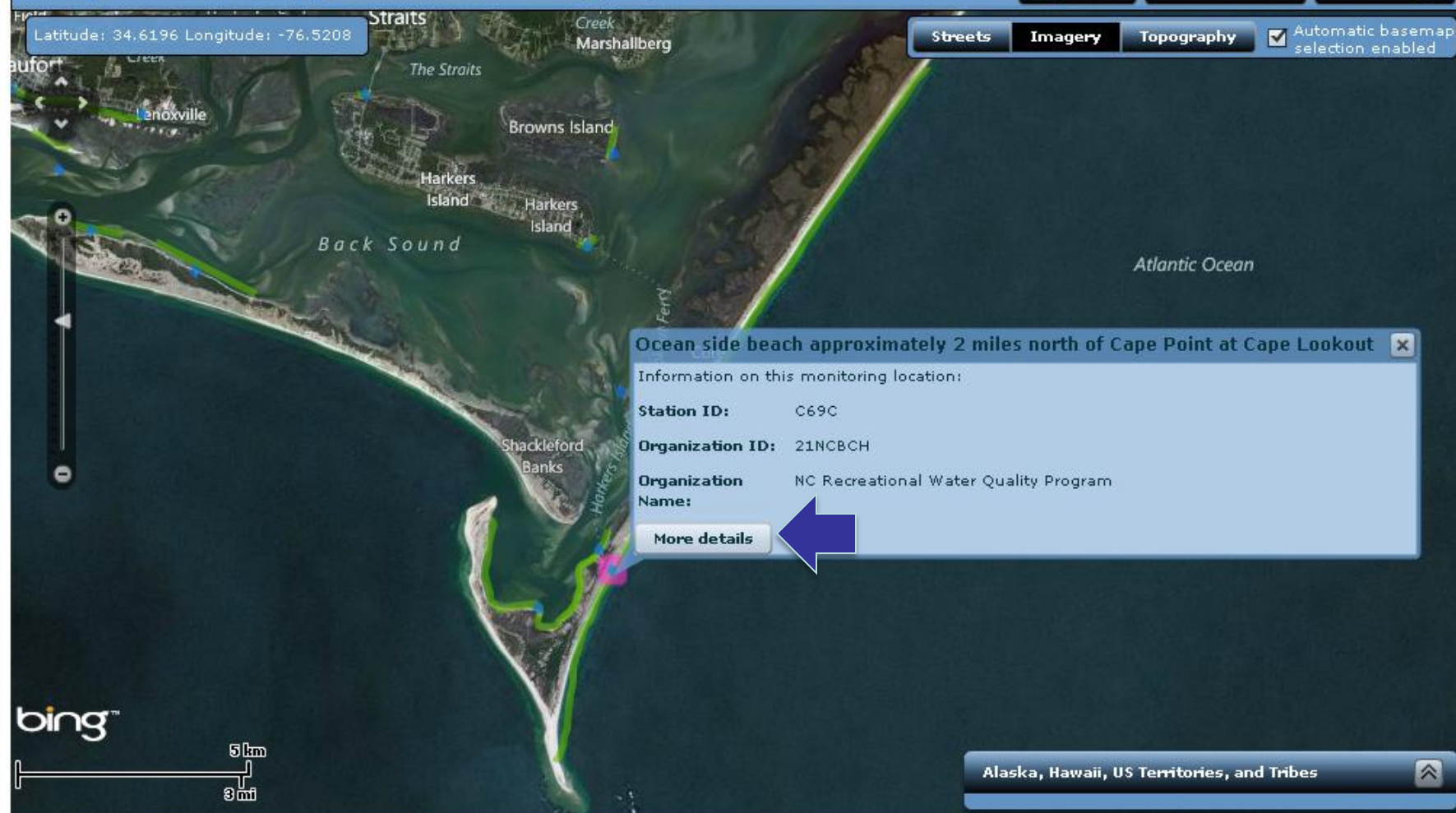
Latitude: 34.6196 Longitude: -76.5208

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Ocean side beach approximately 2 miles north of Cape Point at Cape Lookout

Information on this monitoring location:

Station ID: C69C

Organization ID: 21NCBCH

Organization Name: NC Recreational Water Quality Program

[More details](#)

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5 km

3 mi

Alaska, Hawaii, US Territories, and Tribes



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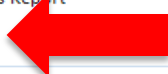
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» BEACON » Monitoring Results Report

Water Quality Report



Go Actions

More columns



Monitoring Location Name	Activity Identifier	Activity Start Date	Activity Start Time	Time Zone Code	Activity Type Code	Activity Depth Height Measure Value	Activity Depth Height Measure Unit Code	Sample Collection Method Identifier	Sample Collection Method Name	Sample Collection Equipment Name	Result Detection Condition Text	Characteristic Name
P_COVE	31_2008_7_7_483	07-JUL-08	8:20:00	EST	Sample-Routine	1	m	GRAB	Grab Sample	Water Bottle	-	Escherichia coli
P_COVE	31_2009-5_24_64	24-MAY-09	9:48:00	EST	Sample-Routine	1	m	GRAB	Grab Sample	Water Bottle	Not Detected	Escherichia coli
P_COVE	31_2009_5_20_31	20-MAY-09	10:03:00	EST	Sample-Routine	1	m	GRAB	Grab Sample	Water Bottle	Not Detected	Escherichia coli
P_COVE	31_2009_7_27_784	27-JUL-09	8:20:00	EST	Sample-Routine	1	m	GRAB	Grab Sample	Water Bottle	-	Escherichia coli
P_COVE	32_2008_6_15_1236	15-JUN-08	9:48:00	EST	Sample-Routine	1	m	GRAB	Grab Sample	Water Bottle	-	Escherichia coli
P_COVE	32_2008_6_16_1247	16-	9:48:00	EST	Sample-	1	m	GRAB	Grab	Water Bottle	-	Escherichia coli

28

Water Quality - Windows Internet Explorer provided by EPA

http://epadev.induscorp.com/apex_epadevdb/f?p=135:20:3517796379662839

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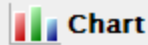
Monitoring Results

Still More columns

Characteristic Name	Result Measure Value	Result Measure Unit Code	Result Status Identifier	Statistical Base Code	Result Value Type Name	Result Analytical Method Name	Result Analytical Method Identifier	Result Analytical Method Identifier Context	Result Analytical Method Qualifier Type Name	Analysis Start Date	Detection Quantitation Limit Type Name	Detection Quantitation Limit Measure Value
Escherichia coli	4	cfu/100ml	Final	-	Actual	Escherichia coli in Water by Membrane Filtration Using Modified membrane-Thermotolerant E. coli Agar (Modified mTEC)	1603	USEPA	-	07-JUL-08	-	-
Escherichia coli	-	-	Final	-	Actual	Escherichia coli in Water by Membrane Filtration Using Modified membrane-Thermotolerant E. coli Agar (Modified mTEC)	1603	USEPA	U	24-MAY-09	Method Detection Level	1
Escherichia coli	-	-	Final	-	Actual	Escherichia coli in Water by Membrane Filtration Using Modified membrane-Thermotolerant E. coli Agar (Modified mTEC)	1603	USEPA	U	20-MAY-09	Method Detection Level	1
Escherichia coli	56	cfu/100ml	Final	-	Actual	Escherichia coli in Water by Membrane Filtration Using Modified membrane-Thermotolerant E. coli Agar (Modified mTEC)	1603	USEPA	-	27-JUL-09	-	-
Escherichia coli	10.66666667	cfu/100ml	Final	Mean	Calculated	Escherichia coli in Water by Membrane Filtration Using Modified membrane-Thermotolerant E. coli Agar (Modified mTEC)	1603	USEPA	-	15-JUN-08	-	-
Escherichia coli	40	cfu/100ml	Final	Mean	Calculated	Escherichia coli in Water by	1603	USEPA	-	16-JUN-	-	-

29

Water Quality Report



Chart

Chart Type



Label Activity Start Date



Axis Title for Label Sample Date

Value Result Measure Value



Axis Title for Value Result Value

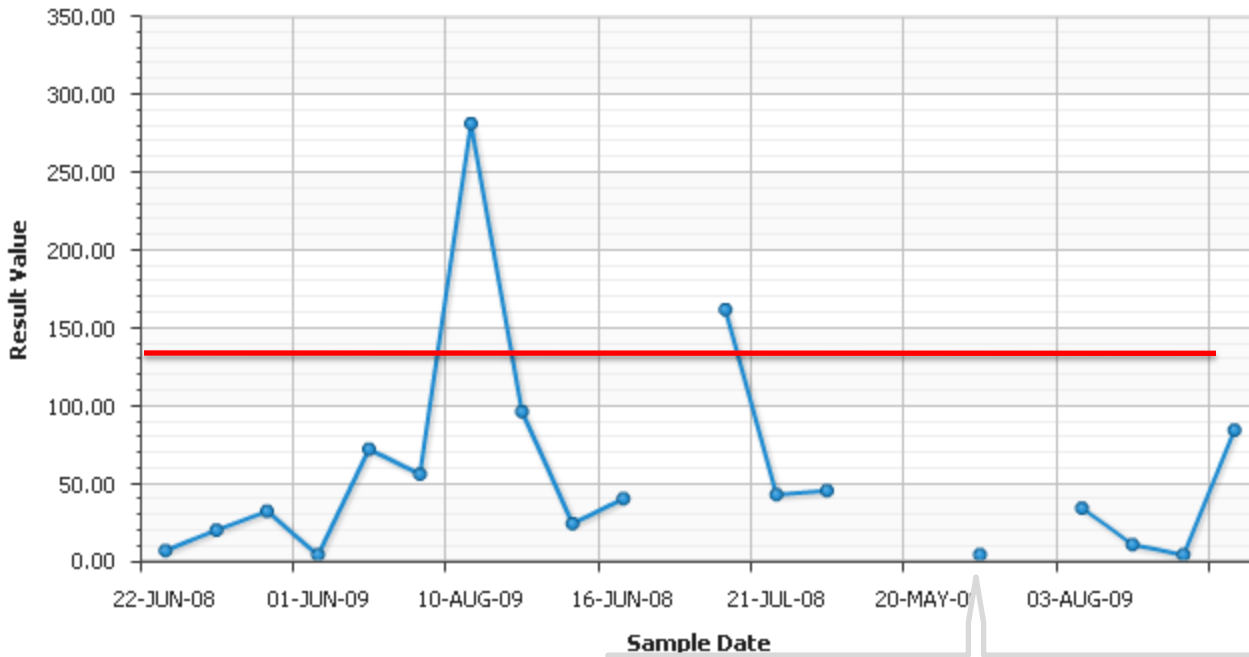
Function - Select Function -



Sort Default



☐ Edit Chart



WQS Criterion Value
(New for 2012)

Gap due to "non-detect" result

Beach Name: PIRATE'S COVE

Beach ID: XX304641

County: [County Name]

Notification Organization: [Notification Organization]

Monitoring Organization: 21XXBCH [XXXXXX] Department of Environmental Conservation (BEACH)

Access Type and Comment: Public

Beach Comment:

Next Report Date: 15-MAR-11

Next Monitoring Date: 07-MAR-11

Monitoring Location Identifier(s): P_COVE

Criterion Name(s) & Value(s): Enterococcus - 110/100ml

Monitored Irregularly Comment:

Advisory and Monitoring Report

"New for 2012"



Beach Activities for the last 2 weeks (click to view additional beach advisory and closing data)

Actions	Sample	Start Date	Activity End Date	Duration	Description	Comment	Possible Cause	Monitoring Location Identifier	Possible Source	Monitoring Result	Value & Unit
Advisory	-	01-MAR-11	-	-	Due to a storm, elevated bacteria levels are predicted. A public health advisory will be issued. This site will be retested.	Model Prediction	Sewage	-	Outfall #X	-	-
Open	Sample	28-FEB-11	-	-	Routine Sample	-	-	P_COVE	-	Enterococcus	40/100ml
Open	Sample	22-FEB-11	-	-	Routine Sample	-	-	P_COVE	-	Enterococcus	60/100ml
Advisory	-	18-FEB-11	22-FEB-11	5	Because elevated bacteria levels have persisted, a public health advisory will be issued. This site will be retested.	-	Sewage	P_COVE	Outfall #X	Enterococcus	120/100ml
Closure	-	16-FEB-11	17-FEB-11	2	Because elevated bacteria levels have persisted, a public health advisory will be issued. This site will be retested.	-	Sewage	P_COVE	Outfall #X	Enterococcus	240/100ml
Open	Sample	14-FEB-11	-	0	Routine Sample	-	-	P_COVE	-	Enterococcus	40/100ml

Beach Activities for the last 2 weeks (click to view additional beach advisory and closing data)

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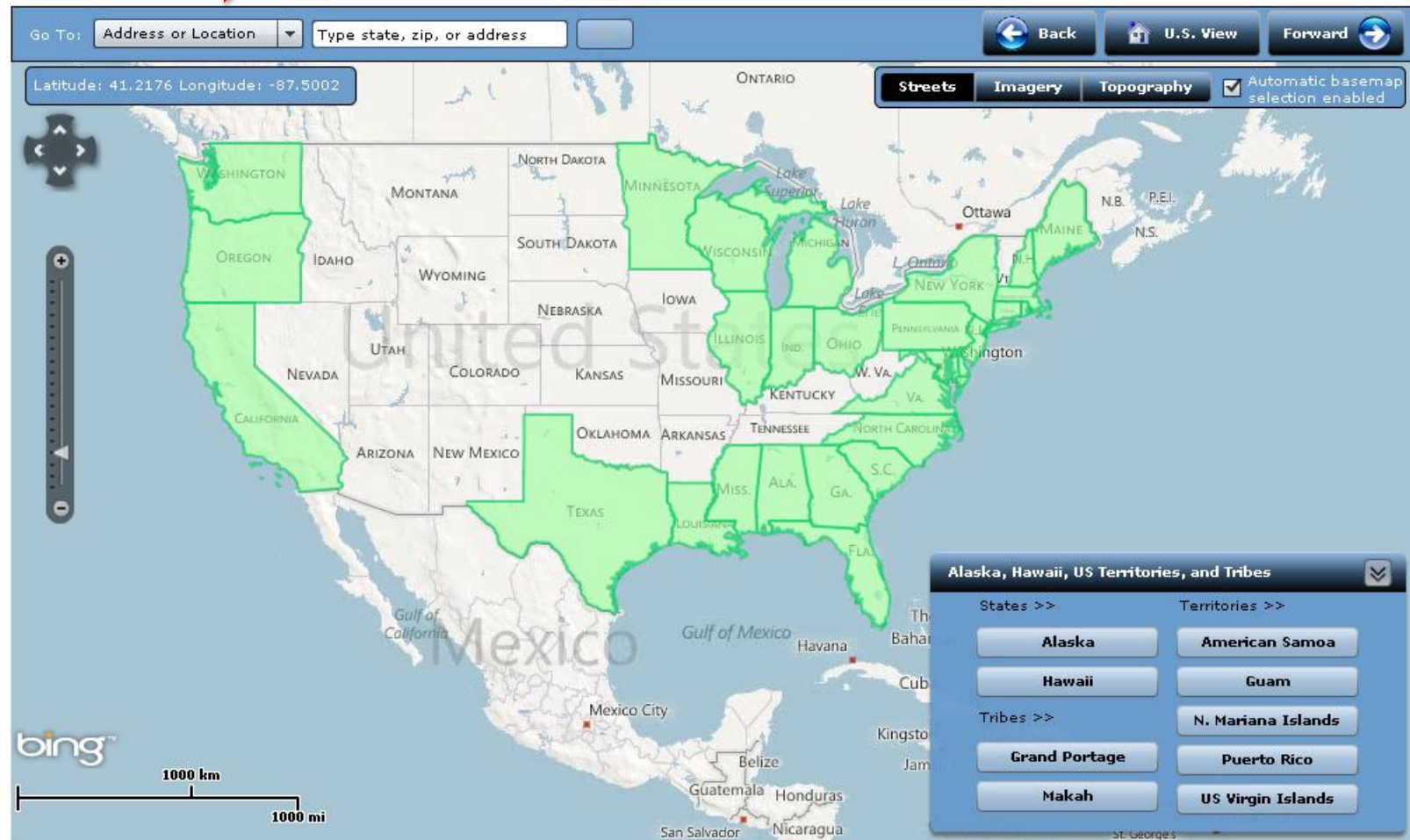
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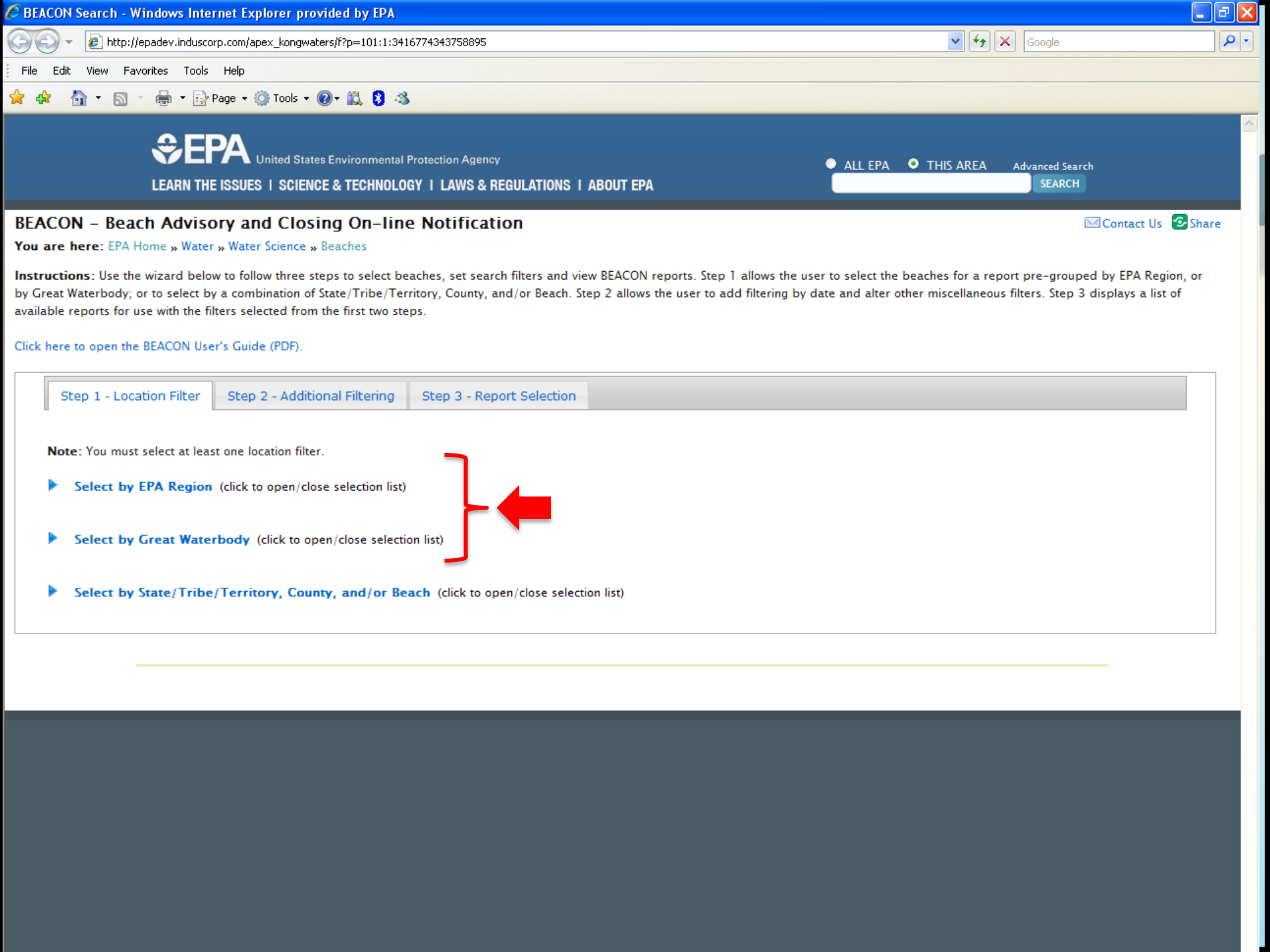
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States >>	Territories >>
<input type="button" value="Alaska"/>	<input type="button" value="American Samoa"/>
<input type="button" value="Hawaii"/>	<input type="button" value="Guam"/>
<input type="button" value="Tribes >>"/>	<input type="button" value="N. Mariana Islands"/>
<input type="button" value="Grand Portage"/>	<input type="button" value="Puerto Rico"/>
<input type="button" value="Makah"/>	<input type="button" value="US Virgin Islands"/>

 [Top of Page](#)

Reports

- Standard and Custom
 - filter by: where, when, content; select, sequence columns
- Single Beach
- Multiple Beaches and Jurisdictions e.g.:
 - ▶ EPA Region, GL, LIS, CB, GOM, Nationwide
- Variable timeframes
- Multiple and Single Data Type Reports
 - ▶ Recent Monitoring and Advisory data
 - ▶ Location, monitoring, advisory/closures
- Downloadable, automatic update notification





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Instructions: Use the wizard below to follow three steps to select beaches, set search filters and view BEACON reports. Step 1 allows the user to select the beaches for a report pre-grouped by EPA Region, or by Great Waterbody; or to select by a combination of State/Tribe/Territory, County, and/or Beach. Step 2 allows the user to add filtering by date and alter other miscellaneous filters. Step 3 displays a list of available reports for use with the filters selected from the first two steps.

[Click here to open the BEACON User's Guide \(PDF\).](#)

Step 1 - Location Filter

Step 2 - Additional Filtering

Step 3 - Report Selection

Note: You must select at least one location filter.

▼ **Select by EPA Region** (click to open/close selection list)

National - All States/Tribes/Territories
Region 1 - CT, MA, ME, NH, RI
Region 2 - NJ, NY, PR, VI
Region 3 - DE, MD, PA, VA
Region 4 - AL, FL, GA, MS, NC, SC
Region 5 - GP, IL, IN, MI, MN, OH, WI
Region 6 - LA, TX
Region 9 - AS, CA, GU, HI, MP
Region 10 - AK, MK, OR, WA

Hold down the Ctrl key to select more than one region.

▼ **Select by Great Waterbody** (click to open/close selection list)

Chesapeake Bay
Great Lakes
Gulf of Mexico
Long Island Sound

Hold down the Ctrl key to select more than one Water body.

▶ **Select by State/Tribe/Territory, County, and/or Beach** (click to open/close selection list)



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http://epadev.induscorp.com/apex_kongwaters/f?p=101:1:3416774343758895

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Step 1 - Location Filter

Step 2 - Additional Filtering

Report Selection

Note: You must select at least one location filter.

Select by EPA Region

(click to open/close selection list)

Select by Great Waterbody

(click to open/close selection list)

Select by State/Tribe/Territory, County, and/or Beach

(click to open/close selection list)

Instructions: You can select beaches for the reports by moving selected beaches (or state/tribe/territory, county groups of beaches) into the "Selected Beaches" box on the far right. Find a single beach by clicking on the state/tribe/territory, county, and then beach name. Add the beach to the selected beaches box by clicking on a beach name (highlights) and clicking the single right arrow. Multiple beaches can be selected by holding the control key and clicking on each beach name. After the beaches have been selected the single right arrow can also be used to move the beaches to the selected beaches box. All beaches in a county can be moved to the selected beaches box by using the double right arrow. Also, all beaches in a state/tribe/territory can be added to the selected beaches box by selecting the state/tribe/territory and using the single double right arrow.

In order to remove all selections from the selected beaches box click the double left arrow. In order to remove specific beaches or groups from the selected beaches box use the single left arrow to remove the selections one at a time.

States/Tribes/Territories

Counties

Beaches

Selected Beaches

Massachusetts
Michigan
Minnesota
Mississippi
New Hampshire
New Jersey
New York
North Carolina
Northern Mariana Islands
Ohio
Oregon
Pennsylvania
Puerto Rico
Rhode Island
South Carolina
Texas
Virgin Islands
Virginia
Washington
Wisconsin

Beaufort
Bertie
Brunswick
Camden
Carteret
Chowan
Craven
Currituck
Dare
Hyde
New Hanover
Onslow
Pamlico
Pasquotank
Pender
Perquimans
Tyrrell
Washington

N end of Old Ferry Rd., Soundside
Newport River- Public access NW of Br
North River- at Hwy 70 bridge
North side mouth of Town Creek in Bea
Ocean end of Central Dr., Atlantic Ocea
Ocean end of Henderson Blvd., AO
Ocean end of New Bern St., AO
Ocean-side beach approximately 2 mile
Park Service Dock
Pine Knoll Shores - just east of Mile M
Public Access Near Fawn Drive in Eme
Public Sound-side Access at the end o
Public beach access adjacent to The Is
Radio Island Public Beach Access
Shackelford Banks- by restrooms
Shackelford Banks- nun bouy #2
Ski Beach off the ICW adjacent to the t
Spoils Island off Salty Shores
Taylor's Creek at post office dock
W side of mouth of South River

North Carolina
-- Carteret
---- Ocean-side beach approximately 2 miles north of Cape

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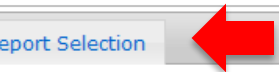
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Step 1 - Location Filter

Step 2 - Additional Filtering

Step 3 - Report Selection



▼ **Select by Date** (click to open/close selection list)

Start Date:

End Date:

- Other Date Options:
- ☐ Swim Season
 - ☐ Rolling Year (12 Months)
 - ☐ Year to Date

Calendar Year:

20112010200920082007

 Hold down the Ctrl key to select more than one year.

▼ **Select by Miscellaneous Filters** (click to open/close selection list)

☒ ACTIVE

☒ Reporting

- ☒ No Advisory or Closure
- ☒ Advisory
- ☒ Closure

☒ Not Reporting

☐ INACTIVE (HISTORICAL)

☒ ACCESS

- ☒ Public
- ☒ Private

Instructions: This outline will allow you to select alternative filters than those preset for the reports. The preset filters show a green checkmark and include the following: Active, Reporting, No Advisory or Closure, Advisory, Closure, Not Reporting, and Public Access. Please note that the tree structure is fully expanded automatically to display all miscellaneous filtering options. The user can turn off a preset filter by clicking in a checked box, or add a filter by clicking in an empty box.

Reports Tab

	Action Duration	<u>For each monitored BEACH Act beach with an action:</u> Each action for each beach is sorted into one of five action duration groups (1 day duration, 2 days duration, 3–7 days duration, 8–30 days duration, or greater than 30 days duration). The list is sorted by county and beach name.
	Advisory and Monitoring	<u>For each BEACH Act beach:</u> Presents a condensed combination of the "Action" and "Water Quality" Reports for the most recent 2 week period of submitted data (most recent to older order) including: dates, duration of actions, basis for action, possible cause and source, monitoring results. The list is sorted by "state", county, and beach name.
	Beach Actions (Advisories and Closures)	<u>For each beach action at a monitored BEACH Act beach:</u> Presents details of each beach action including: (1) type of action (e.g., closure, rain advisory, contamination advisory), (2) starting and ending date of the action, (3) duration of the action in days ("day" is defined as: an action on one calendar day equals one "day", or for multi-calendar day actions, a "day" is each 24-hour time block, not each calendar day), (4) action reason, source, and the indicator used to trigger the action. The list is sorted by county, beach name and action start date.
	Beach Attributes	<u>For each BEACH Act beach:</u> Identifies attributes of each beach including: (1) beach tier ranking, (2) beach length, and (3) latitude/longitude. The list is sorted by county and beach name.
	Beach Days	<u>For each monitored BEACH Act beach:</u> The number of beach days in the swimming season (based on swimming season length) is presented for each beach. If the beach had an action (1) the total number of action days and (2) the percentage of beach days the beach was under an action are also presented. The list is sorted by county and beach name.
	Beach Monitoring Frequency	<u>For each BEACH Act beach:</u> Identifies swim season and monitoring attributes of each beach including: (1) swimming season length and (2) in- and off-season monitoring frequency. The list is sorted by county and beach name.
	Beach Profile	<u>For each BEACH Act beach:</u> Presents beach administrative information including: beach name, beach ID, location, contact information, public access, Tier, swim season, monitoring and reporting frequency, possible pollution sources. The list is sorted by "state", county, and beach name.
	Possible Pollution Sources	<u>For each monitored BEACH Act beach:</u> Identifies if possible pollution sources have been investigated and, if so, what are the possible sources that might affect beach water quality. The list is sorted by county and beach name.
	RSS Feed	<u>News feed for Beaches:</u> Brief news feed that links to the advisory and monitoring report for the selected beach. The RSS feed link can only display about 200 beaches at a time. If too many beaches are selected to display in the RSS feed, then any over the 200 limit will be excluded. In order to view an RSS feed, the user must have an RSS feed reader installed. Some browsers may come standard with feed readers but other browsers may require a separate download. More information about news feeds (also called "RSS" from USA.gov. )
	State Summary	<u>For each county:</u> Displays key summary statistics concerning BEACH Act beaches including: (1) number and length of monitored beaches, (2) number of monitored Tier 1 beaches, (3) number and durations of beach actions, and (4) the number of beach days under an action. The list is sorted by county name. Please note: this report can take several minutes to load if only a few filters have been applied.
	Tier 1 Stats	<u>For each BEACH Act beach designated as Tier 1:</u> Presents beach attributes and action information including : (1) beach length, (2) swim season monitoring frequency, (3) number of beach days, and (4) number of days under an action. The list is sorted by county and beach name. Please note: this report can take several minutes to load if only a few filters have been applied.
	Water Quality	<u>For each monitored BEACH Act beach:</u> Presents details of water quality monitoring results collected for the beach program (from WQX/STORET) including: beach ID, beach name, sampling station ID, date/time of sample, collection method, characteristic(s) (e.g., pathogen indicator) sampled, results, analytical method, statistic type (e.g. geometric mean). The list is sorted by "state", county, and beach ID, station ID. date of sample (recent to older).

BEACON – Beach Advisory and Closing On-line Notification

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Beach Attributes

- ☐ Beach ID in 'NC106127' ☒ ☒
- ☐ Historical Record in 'N' ☒ ☒
- ☐ Reported in 'Y, N' ☒ ☒
- ☐ Status in 'Active, Advisory, Closure' ☒ ☒
- ☐ Year in '2010, 2009, 2008, 2007, 2006' ☒ ☒
- ☐ State ☒ ☒
- ☐ County ☒ ☒
- ☐ Year ☒ ☒

State : NC, County : CARTERET, Year : 2007

Beach ID	Beach Name	Beach Ownership/ Beach Accessibility	Beach Length (Mi)	Beach Tier	Start Latitude	Start Longitude	End Latitude	End Longitude
NC106127	Ocean-side beach approximately 2 miles north of Cape Point a	Public/Private	3.203	1	34.6303829749997	- 76.5513610733316	34.7173467213199	- 76.4449310196359
Count: 1			3.203					

State : NC, County : CARTERET, Year : 2008

Beach ID	Beach Name	Beach Ownership/ Beach Accessibility	Beach Length (Mi)	Beach Tier	Start Latitude	Start Longitude	End Latitude	End Longitude
NC106127	Ocean-side beach approximately 2 miles north of Cape Point a	Public/Private	3.203	1	34.6303829749997	- 76.5513610733316	34.7173467213199	- 76.4449310196359
Count: 1			3.203					

State : NC, County : CARTERET, Year : 2009

Beach ID	Beach Name	Beach Ownership/ Beach Accessibility	Beach Length (Mi)	Beach Tier	Start Latitude	Start Longitude	End Latitude	End Longitude
NC106127	Ocean-side beach approximately 2 miles north of Cape Point a	Public/Private	3.203	1	34.6303829749997	- 76.5513610733316	34.7173467213199	- 76.4449310196359
Count: 1			3.203					

BEACON – Beach Advisory and Closing On-line Notification

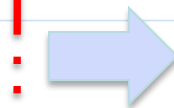
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Summary Report

Notification Actions

More columns



- ☐ State ☒ ☒
- ☐ Year ☒ ☒

State : NC, Year : 2010

County	No. of BEACH Act Beaches	No. of Monitored Beaches	Percent of Beaches Monitored	Total Length of Monitored Beaches (Mi)	No. of Tier 1 Beaches	Percent of Tier 1 Beaches Monitored	No. of Monitored Beaches with Actions	No. of Monitored Beaches without Actions	Percent of Monitored Beaches Affected by a Beach Action	Total No. of Beach Actions	No. of Actions of 1 Day Duration	No. of Actions of 2 Day Duration	No. of Actions of 3 – 7 Day Duration	No. of Actions of 8 – 30 Day Duration
CARTERET	1	1	100%	3	1	100%	1	0	100%	2	1	0	0	
	1	1		3	1		1	0		2	1	0	0	

State : NC, Year : 2009

County	No. of BEACH Act Beaches	No. of Monitored Beaches	Percent of Beaches Monitored	Total Length of Monitored Beaches (Mi)	No. of Tier 1 Beaches	Percent of Tier 1 Beaches Monitored	No. of Monitored Beaches with Actions	No. of Monitored Beaches without Actions	Percent of Monitored Beaches Affected by a Beach Action	Total No. of Beach Actions	No. of Actions of 1 Day Duration	No. of Actions of 2 Day Duration	No. of Actions of 3 – 7 Day Duration	No. of Actions of 8 – 30 Day Duration
CARTERET	1	1	100%	3	1	100%	0	1	-	0	0	0	0	
	1	1		3	1		0	1		0	0	0	0	

State : NC, Year : 2008

County	No. of BEACH Act Beaches	No. of Monitored Beaches	Percent of Beaches Monitored	Total Length of Monitored Beaches (Mi)	No. of Tier 1 Beaches	Percent of Tier 1 Beaches Monitored	No. of Monitored Beaches with Actions	No. of Monitored Beaches without Actions	Percent of Monitored Beaches Affected by a Beach Action	Total No. of Beach Actions	No. of Actions of 1 Day Duration	No. of Actions of 2 Day Duration	No. of Actions of 3 – 7 Day Duration	No. of Actions of 8 – 30 Day Duration
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Real-time Notification

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Summary Report (cont)

Total Length Monitored Beaches (Mi)	No. of Tier 1 Beaches	Percent of Tier 1 Beaches Monitored	No. of Monitored Beaches with Actions	No. of Monitored Beaches without Actions	Percent of Monitored Beaches Affected by a Beach Action	Total No. of Beach Actions	No. of Actions of 1 Day Duration	No. of Actions of 2 Day Duration	No. of Actions of 3 - 7 Day Duration	No. of Actions of 8 - 30 Day Duration	No. of Actions Greater than 30 Day Duration	No. of Beach Days (Monitored Beaches)	No. of Days Under a Beach Action (Monitored Beaches)	Percent Days Under a Beach Action
3	1	100%	1	0	100%	2	1	0	0	1	1	214	16	7.48%
3	1		1	0		2	1	0	0	1	1	214	16	

Total Length Monitored Beaches (Mi)	No. of Tier 1 Beaches	Percent of Tier 1 Beaches Monitored	No. of Monitored Beaches with Actions	No. of Monitored Beaches without Actions	Percent of Monitored Beaches Affected by a Beach Action	Total No. of Beach Actions	No. of Actions of 1 Day Duration	No. of Actions of 2 Day Duration	No. of Actions of 3 - 7 Day Duration	No. of Actions of 8 - 30 Day Duration	No. of Actions Greater than 30 Day Duration	No. of Beach Days (Monitored Beaches)	No. of Days Under a Beach Action (Monitored Beaches)	Percent Days Under a Beach Action
3	1	100%	0	1	-	0	0	0	0	0	0	214	0	-
3	1		0	1		0	0	0	0	0	0	214	0	

Total Length Monitored Beaches (Mi)	No. of Tier 1 Beaches	Percent of Tier 1 Beaches Monitored	No. of Monitored Beaches with Actions	No. of Monitored Beaches without Actions	Percent of Monitored Beaches Affected by a Beach Action	Total No. of Beach Actions	No. of Actions of 1 Day Duration	No. of Actions of 2 Day Duration	No. of Actions of 3 - 7 Day Duration	No. of Actions of 8 - 30 Day Duration	No. of Actions Greater than 30 Day Duration	No. of Beach Days (Monitored Beaches)	No. of Days Under a Beach Action (Monitored Beaches)	Percent Days Under a Beach Action
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BEACON – Beach Advisory and Closing On-line Notification

You are here: [EPA Home](#) » [Water](#) » [Water Science](#) » [Beaches](#)

» [BEACON](#) » Monitoring Frequency

Monitoring Frequency



Monitoring Frequency and Season

☐ State ☒ ☐ ☒ ☐
☐ County ☒ ☐ ☒ ☐

State : XX, County : ALCONA

Beach ID	Beach Name	Swim Season Length	Swim Season Length Units	Swim Season Monitor Freq	Swim Season Monitor Freq Units	Off Season Monitor Freq	Off Season Monitor Freq Units
XX556458	Sturgeon Point State Park	150	DAYS	1	PER_WEEK	0	PER_WEEK
XX388337	Harrisville Public Access	150	DAYS	0	PER_WEEK	0	PER_WEEK
XX000293	Black River Public Access	150	DAYS	1	PER_WEEK	0	PER_WEEK
XX000348	Harrisville State Park	150	DAYS	1	PER_WEEK	0	PER_WEEK
XX589651	Negwelon State Park	150	DAYS	1	PER_WEEK	0	PER_WEEK
XX680454	Trask Lake Road Beach	150	DAYS	1	PER_WEEK	0	PER_WEEK
XX908114	Greenbush Township	150	DAYS	1	PER_WEEK	0	PER_WEEK
Count: 7				6			

State : XX, County : ALGER

Beach ID	Beach Name	Swim Season Length	Swim Season Length Units	Swim Season Monitor Freq	Swim Season Monitor Freq Units	Off Season Monitor Freq	Off Season Monitor Freq Units
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BEACON – Beach Advisory and Closing On-line Notification

You are here: [EPA Home](#) » [Water](#) » [Water Science](#) » [Beaches](#)

» [BEACON](#) » Pollution Sources

Pollution Sources





☐ State ☒ ☒ ☒

☐ County ☒ ☒ ☒

State : XX, County : ALCONA

Beach ID	Beach Name	Poll. Sources Investi- gated?	Poll. Sources Found?	Runoff	Storm	Agri- cultural	Boat	CAFO	CSO	SSO	POTW
XX589651	Negwegon State Park	Yes	Yes	-	-	-	-	-	-	-	-
XX556458	Sturgeon Point State Park	Yes	Yes	-	Yes	-	-	-	-	-	-
XX000348	Harrisville State Park	-	-	-	-	-	-	-	-	-	-
XX000293	Black River Public Access	Yes	Yes	-	Yes	-	-	-	-	-	-
XX680454	Trask Lake Road Beach	Yes	Yes	-	Yes	-	-	-	-	-	-
XX908114	Greenbush Township	-	-	-	-	-	-	-	-	-	-
Count: 6		Count: 4	Count: 4	Count: 0	Count: 3	Count: 0	Count: 0	Count: 0	Count: 0	Count: 0	Count: 0

State : XX, County : ALLEGAN

BEACON – Beach Advisory and Closing On-line Notification

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BEACON Action Durations

Action Durations



<input type="checkbox"/>	State	<input checked="" type="checkbox"/>	<input type="checkbox"/>
<input type="checkbox"/>	County	<input checked="" type="checkbox"/>	<input type="checkbox"/>

State : XX, County : ALCONA

<u>Beach ID</u>	<u>Beach Name</u>	<u>No. of beach actions</u>	<u>No. of Days Under Action</u>	<u>No. of actions of 1 day duration</u>	<u>No. of actions of 2 day duration</u>	<u>No. of actions of 3 – 7 day duration</u>	<u>No. of actions of 8 – 30 day duration</u>	<u>No. of actions greater than 30 day duration</u>
XX908114	Greenbush Township	1	2	-	1	-	-	-
Count: 1		Count: 1	Count: 1	Count: 0	Count: 1	Count: 0	Count: 0	Count: 0

State : XX, County : ALPENA

<u>Beach ID</u>	<u>Beach Name</u>	<u>No. of beach actions</u>	<u>No. of Days Under Action</u>	<u>No. of actions of 1 day duration</u>	<u>No. of actions of 2 day duration</u>	<u>No. of actions of 3 – 7 day duration</u>	<u>No. of actions of 8 – 30 day duration</u>	<u>No. of actions greater than 30 day duration</u>
XX000282	Blair Street Park	1	1	1	-	-	-	-
Count: 1		Count: 1	Count: 1	Count: 1	Count: 0	Count: 0	Count: 0	Count: 0

State : XX. County : ARENAC

[illegible]

BEACON News

You are viewing a feed that contains frequently updated content. When you subscribe to a feed, it is added to the Common Feed List. Updated information from the feed is automatically downloaded to your computer and can be viewed in Internet Explorer and other programs. [Learn more about feeds.](#)

Subscribe to this feed

NC106127: Ocean-side beach approximately 2 miles north of Cape Point a

Yesterday, September 21, 2011, 8:00:00 PM

Status: No advisory or closure

Displaying 1 / 1

All 1

Sort by:

Date Title

RSS Generator

Internet Explorer

Subscribe to this Feed

When you subscribe to a feed, it is automatically added to the Favorites Center and kept up to date.

Name:

Create in:

Feeds

New folder

Subscribe Cancel

Windows Internet Explorer

Using web feeds (RSS)

Here are answers to some common questions about using feeds (RSS).

- What is a feed?
- How do I know if a website offers feeds?
- How do I view a feed?
- How does a feed differ from a website?
- How can I automatically get updated content?
- Does a feed subscription cost money?
- How can I view my subscribed feeds?
- Can other programs display my subscribed feeds?
- What does RSS mean?
- What formats do feeds come in?

[Related Topics](#)

Also, data will be available to Apps developers

27

Communicating Beach Water Quality

Modernized eBEACHES

Communicating Beach Conditions at the National Level

A Great Lakes Restoration Initiative Project

Great Lakes Beaches Association

Bill Kramer, CEP, PM

US EPA

September 27-28, 2011

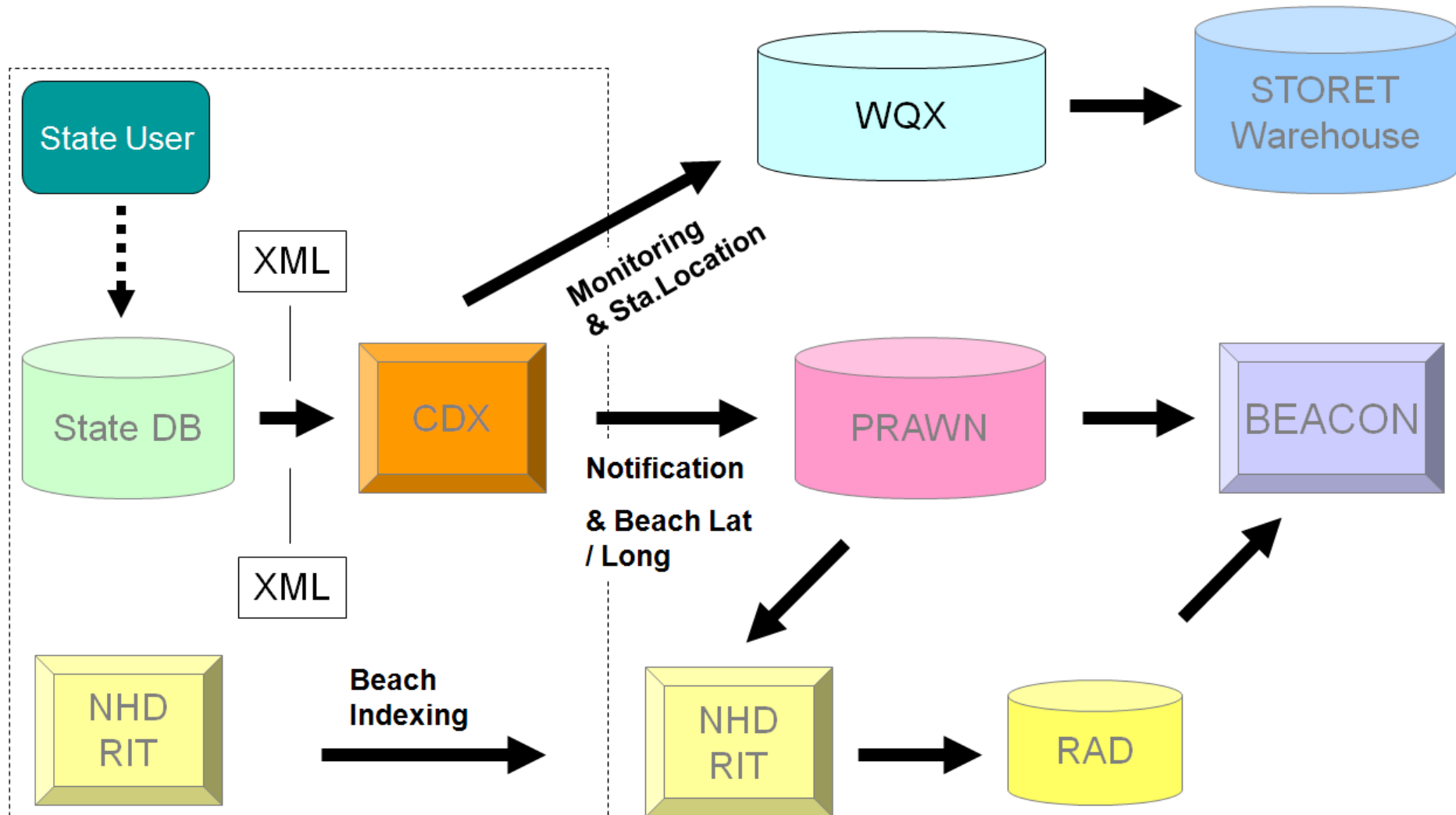


Validation Session Files to Jurisdiction

Tool prompts data owner to:

- A. Download report from BEACON webpage, edit DB of record, resubmit to CDX. (or)
- B. Tell Verification Tool to send file to owner only, owner edit DB of record, resubmit to CDX. (or)
- C. (If node exists) [Tool opens EN Services], execute send to jurisdiction node (Node then parses into DB of record) then resubmit to CDX via node. (or)
- D. B-C (w/o resubmit), **AND** Tool resubmits to CDX.

eBeaches Data Flow



With Q/A and Integrated Views and Reports
Enhancements to Upgrade eBeaches IT (Weekly)

